

TABLE 1: List of Equipment by Category

- a. Lawn and Garden Equipment
 - 1. Trimmers/Edgers/Brush cutters
 - 2. Lawn mowers
 - 3. Leaf blowers/vacuums
 - 4. Rear engine riding mowers
 - 5. Front mowers
 - 6. Chainsaws < 5 HP
 - 7. Shredders < 5 HP
 - 8. Tillers < 5 HP
 - 9. Lawn and garden tractors
 - 10. Wood splitters
 - 11. Snow blowers
 - 12. Chippers/Stump grinders
 - 13. Commercial turf equipment
 - 14. Other lawn and garden equipment
- b. Light Commercial Equipment (0-50 HP)
 - 1. Generator sets
 - 2. Pumps
 - 3. Air compressors
 - 4. Gasoline compressors
 - 5. Welding machines
 - 6. Pressure washers
- c. Recreational Equipment
 - 1. All Terrain Vehicles (3 & 4 wheel vehicles)
 - 2. Off-road motorcycles
 - 3. Golf carts
 - 4. Specialty vehicles/carts
 - 5. Snowmobiles
- d. Industrial Equipment
 - 1. Aerial lifts
 - 2. Forklifts
 - 3. Sweepers
 - 4. Other general industrial equipment
 - Abrasive blasting equipment
 - Industrial blowers/vacuums
 - Marine/industrial winches and hoists
 - Multipurpose tool carriers
 - Other misc. industrial equipment (catch all)
- d. Industrial Equipment (cont)
 - 5. Other material handling equipment
 - Conveyors
 - Other misc. material handling (catch all)
 - Industrial tractors
- e. Construction and Mining Equipment
 - 1. Pavers
 - 2. Tampers/Rammers
 - 3. Plate compactors
 - 4. Rollers
 - 5. Scrapers
 - 6. Paving equipment
 - 7. Surfacing equipment
 - 8. Signal boards
 - 9. Trenchers
 - 10. Bore/Drill rigs
 - 11. Excavators
 - 12. Concrete/Industrial saws
 - 13. Cement and Mortar mixers
 - 14. Cranes
 - 15. Graders
 - 16. Off-Highway trucks
 - 17. Crushers/Processing equipment
 - 18. Rough terrain forklifts
 - 19. Rubber tire loaders
 - 20. Rubber tire dozers
 - 21. Tractor/Loaders/Backhoes
 - 22. Crawler tractors
 - 23. Skid steer loaders
 - 24. Off-Highway tractors
 - 25. Dumpers/Tenders
 - 26. Other construction equipment
- f. Agricultural Equipment
 - 1. 2-Wheel tractors
 - 2. Agricultural tractors
 - 3. Agricultural mowers
 - 4. Combines
 - 5. Sprayers
 - 6. Balers
 - 7. Tillers > 5 HP
 - 8. Swathers
 - 9. Hydro power units
 - 10. Other agriculture equipment

* (Industrial continues next column)

TABLE 1: List of Equipment by Category (continued)

- g. Logging Equipment
 - 1. Chain saws > 5 HP
 - 2. Shredders > 5 HP
 - 3. Log skidders
 - 4. Fellers/Bunchers
- h. Airport Ground Support Equipment
 - 1. Airplane tow tractors
 - 2. Baggage/Cargo tow tractors
 - 3. Ground power units
 - 4. Start units
 - 5. Deicing units
 - 6. Load lifting and handling
 - 7. Service utility carts
 - 8. Pressure washers
- i. Pleasure Craft
 - 1. Inboard powerboats <250 HP
 - 2. Outboard powerboats
 - 3. Sterndrive powerboats
 - 4. Inboard sail-auxiliary
 - 5. Outboard sail-auxiliary
- j. Commercial and Government Vessels
 - 1. Commercial inboard boats >250 HP
 - 2. Commercial in/outboard boats
 - 3. Commercial tug boats
 - 4. US Coasts Guard boats
 - 5. Seagoing vessels
 - Motorships
 - Steamships
- k. Transport Refrigeration Units
 - 1. Small units < 25 HP
 - 2. Large units > 25 HP
- l. Locomotive and Rail Operations
 - 1. Line haul operations
 - 2. Yard operations
- m. Aircraft: Commercial, Military, and General Aviation
 - 1. Landing and Takeoff Operations (LTO)
- n. Agricultural Aircraft
 - 1. Aircraft operations below 3,000 ft.

* The portions of the table above shown in bold letters are specific to off-road large CI engines.

TABLE 2: Various Fuels, Engine Types, and Horsepower Groups Used in the OFFROAD Model

Fuel	Engine Type	Horsepower Groups
Gasoline	2-stroke	0-2, 2-15, 15-25, 25-50, 50-120, 120-175, 175-250, 250-500, 500-750
Gasoline and CNG/LPG	4-stroke	0-5, 5-15, 15-25, 25-50, 50-120, 120-175, 175-250, 250-500, 500-750
Diesel		0-15, 15-25, 25-50, 50-120, 120-175, 175-250, 250-500, 500-750, 750+